

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 30, 2001, 03:22:50 ; Search time 246.83 Seconds
(without alignments)
6972.359 Million cell updates/sec

Title: US-09-633-300-1
Perfect score: 2948
Sequence: 1 agagattgcatacgcctcc.....tccccctgaactraaamya 2948

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 678276 seqs, 291890651 residues

Total number of hits satisfying chosen parameters: 1356552

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : N_Geneseq_0401.*
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22: /SID52/gcgdata/geneseq/geneseq/NA2001.DAT.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|--------|-------------|--------|----|--------------------|
| 1 | 2346 | 79.6 | 2412 | 20 | Human PRO382 nucle |
| 2 | 2346 | 79.6 | 2412 | 21 | Human PRO382 (UNO3 |
| 3 | 2337.2 | 79.3 | 2413 | 21 | Tumour associated |
| 4 | 2196.2 | 74.5 | 2544 | 21 | Tumour associated |
| 5 | 1626.4 | 55.2 | 1697 | 21 | Human cancer assoc |
| 6 | 1283.8 | 43.5 | 1394 | 21 | Human serine prote |
| 7 | 323.6 | 11.0 | 337 | 22 | Human breast cance |
| 8 | 234.4 | 8.0 | 80240 | 20 | NC-contig derived |
| 9 | 232.4 | 7.9 | 119950 | 20 | Human yes1 gene. |
| 10 | 230.4 | 7.8 | 54548 | 21 | DNA sequence of th |
| 11 | 230 | 7.8 | 80595 | 20 | HC-contig derived |

| | | | | | |
|------|-------|-----|--------|----|--------|
| C 12 | 229.4 | 7.8 | 50000 | 21 | A64140 |
| C 13 | 229.2 | 7.8 | 1413 | 21 | D00684 |
| C 14 | 227.8 | 7.7 | 17327 | 14 | O44278 |
| C 15 | 227.6 | 7.7 | 26664 | 21 | A60207 |
| C 16 | 227.4 | 7.7 | 1277 | 22 | F33037 |
| C 17 | 227.4 | 7.7 | 3234 | 16 | Q92781 |
| C 18 | 227.2 | 7.7 | 121162 | 21 | C65448 |
| C 19 | 226.8 | 7.7 | 121162 | 21 | C65448 |
| C 20 | 225.6 | 7.7 | 1296 | 19 | V29031 |
| C 21 | 225.6 | 7.7 | 1479 | 21 | Z87786 |
| C 22 | 225.4 | 7.6 | 743 | 8 | N70812 |
| C 23 | 225.2 | 7.6 | 8966 | 20 | Z09581 |
| C 24 | 225 | 7.6 | 1738 | 21 | Z29636 |
| C 25 | 225 | 7.6 | 3074 | 21 | C76994 |
| C 26 | 224.8 | 7.6 | 22481 | 17 | T11658 |
| C 27 | 224.8 | 7.6 | 78925 | 21 | C89888 |
| C 28 | 224.6 | 7.6 | 122186 | 22 | C89560 |
| C 29 | 224.2 | 7.6 | 1264 | 20 | V08832 |
| C 30 | 223.6 | 7.6 | 2932 | 13 | Q25388 |
| C 31 | 223.6 | 7.6 | 2932 | 20 | Z32161 |
| C 32 | 223.6 | 7.6 | 2932 | 20 | Z32162 |
| C 33 | 223.4 | 7.6 | 2411 | 20 | Z08860 |
| C 34 | 223.4 | 7.6 | 3245 | 21 | A08803 |
| C 35 | 223.2 | 7.6 | 87350 | 18 | X83003 |
| C 36 | 223 | 7.6 | 4067 | 21 | A95823 |
| C 37 | 223 | 7.6 | 11820 | 21 | A95944 |
| C 38 | 222.8 | 7.6 | 11820 | 21 | A95944 |
| C 39 | 222.8 | 7.6 | 13865 | 19 | V40401 |
| C 40 | 222.8 | 7.6 | 13865 | 20 | Z32165 |
| C 41 | 222.4 | 7.5 | 452 | 17 | T42809 |
| C 42 | 222.4 | 7.5 | 30967 | 17 | T32454 |
| C 43 | 222.4 | 7.5 | 72604 | 20 | Z10752 |
| C 44 | 222 | 7.5 | 50000 | 21 | A96364 |
| C 45 | 221.6 | 7.5 | 812 | 21 | C74416 |

ALIGNMENTS

| | |
|--------|--|
| RESULT | 1 |
| 233949 | |
| ID | 233949 standard; cDNA; 2412 BP. |
| XX | |
| AC | 233949; |
| XX | |
| DT | 07-DEC-1999 (first entry) |
| XX | |
| DE | Human PRO382 nucleotide sequence. |
| XX | |
| KW | Human; PRO; EST; expressed sequence tag; PCR primer; hybridisation; |
| KW | probe; blood coagulation disorder; cancer; cellular adhesion disorder; |
| KW | secreted protein; transmembrane protein; ss. |
| XX | |
| OS | Homo sapiens. |
| XX | |
| PN | WO9946281-A2. |
| XX | |
| PD | 16-SEP-1999. |
| XX | |
| PF | 08-MAR-1999; 99WO-US05028. |
| XX | |
| PR | 10-MAR-1998; 98US-0077450. |
| PR | 11-MAR-1998; 98US-0077632. |
| PR | 11-MAR-1998; 98US-0077641. |
| PR | 11-MAR-1998; 98US-0077649. |
| PR | 12-MAR-1998; 98US-0077791. |
| PR | 13-MAR-1998; 98US-0078004. |
| PR | 17-MAR-1998; 98US-0040220. |
| PR | 20-MAR-1998; 98US-0078886. |
| PR | 20-MAR-1998; 98US-0078910. |
| PR | 20-MAR-1998; 98US-0078936. |
| PR | 20-MAR-1998; 98US-0078939. |
| PR | 25-MAR-1998; 98US-0079294. |

Nucleotide sequenc
Human Hydrolase pr
Serglycin - proteo
Human prostate can
Human secreted pro
Human thymopoietin
Human kinesi-like
Human kinesi-like
Human protein comp
Human tumour suppr
Sequence encoding
Human Apo A1 genom
Human 20P1F2-GTC2
Human ORFX ORF2549
PEDF full length s
Human FN gene. Ho
Human histone deac
Gene No. 22 encodi
TXA2 receptor gene
Human thromboxane
Human endothelial
Human brain G-prot
Androgen-inducible
Human WRN genomic
Human metalloprote
Human KLK-L5 gene.
Human KLK-L5 gene.
Human tissue facto
Human cholesterol
Polymorphic locus
Calpain large subu
Genomic sequence o
Polymorphic repeat
Human secreted pro

54

| | | | |
|----|------|---|------|
| Qy | 2183 | tgttttttgagatggagtctgcgtctgtgccaggctggagtgcagtcgcaaatccc | 2242 |
| Db | 1681 | tgttttttgagatggagtctgcgtctgtgccaggctggagtgcagtcgcaaatccc | 1740 |
| Qy | 2243 | tgtcactcgagctccgcttccgttgttcaagcatctcttgcctcagcttccccagt | 2302 |
| Db | 1741 | tgtcactcgagctccgcttccgttgttcaagcatctcttgcctcagcttccccagt | 1800 |
| Qy | 2303 | agctggaccacaggtgccgcgcacacacccaaccaataatttgttattttagtagagac | 2362 |
| Db | 1801 | agctggaccacaggtccccgcgcacacacccaaccaataatttgttattttagtagagac | 1860 |
| Qy | 2363 | agggtttcaccatgttgccagggctgctcctcaaacccctgacctcaaatgatgtccctgc | 2422 |
| Db | 1861 | agggtttcaccatgttgccagggctgctcctcaaacccctgacctcaaatgatgtccctgc | 1920 |
| Qy | 2423 | ttcagctctccacagtgctgggtattacaggcatagggccaccagcctagcctcacgctcc | 2482 |
| Db | 1921 | ttcagctctccacagtgctgggtattacaggcatagggccaccagcctagcctcacgctcc | 1980 |
| Qy | 2483 | ttctgatcttctaactagaacaagaagcagcgaacttgcgaaggcgcttttccactcg | 2542 |
| Db | 1981 | ttctgatcttctaactagaacaagaagcagcgaacttgcgaaggcgcttttccactcg | 2040 |
| Qy | 2543 | gtccatctggttttctctccagggtcttgcaaaattcctgcagcagataagcagttatgt | 2602 |
| Db | 2041 | gtccatctggttttctctccaa- gggctctgcaaaattcctgcagcagataagcagttatgt | 2099 |
| Qy | 2603 | gaactcacgtcnaaagccaccaaagccactcagaanaagcagcaccagccagaagtcca | 2662 |
| Db | 2100 | gaactcacgtcnaaagccaccaaagccactcagaanaagcagcaccagccagaagtcca | 2159 |
| Qy | 2663 | gaactgcagtcactgcaogtitttoatctctaggagcacaacccaaccactttcttac | 2722 |
| Db | 2160 | gaactgcagtcactgcaogtitttoatctctaggagcacaacccaaccactttcttac | 2219 |
| Qy | 2723 | ttccaagacttattttcacatgtggggagggttaactcaggaatgactcgtttaaggccta | 2782 |
| Db | 2220 | ttccaagacttattttcacatgtggggagggttaactcaggaatgactcgtttaaggccta | 2279 |
| Qy | 2783 | ttttcatgattttcttgtagcatgttggtgcttgacgtattattgcttcttgattccaaat | 2842 |
| Db | 2280 | ttttcatgattttcttgtagcatgttggtgcttgacgtattattgcttcttgattccaaat | 2339 |
| Qy | 2843 | aatatgtttccttccctcaatwr | 2864 |
| Db | 2340 | aatatgttttcccttccctcaatg | 2361 |

PR 12-MAR-1999; 990S-012395/.

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run On: April 30, 2001, 05:56:59 ; Search time 246.83 Seconds
(without alignments)
3214.191 Million cell updates/sec

Title: US-09-633-300-3

Perfect score: 1359

Sequence: 1 atgggggaaatgatcgcc.....tggagagagacctaataaac 1359

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 678276 seqs, 291890651 residues

Total number of hits satisfying chosen parameters: 1356552

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: /SID2/gcgdata/geneseq/geneseq/NA1980.DAT.*
2: /SID2/gcgdata/geneseq/geneseq/NA1981.DAT.*
3: /SID2/gcgdata/geneseq/geneseq/NA1982.DAT.*
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20: /SID2/gcgdata/geneseq/geneseq/NA1999.DAT.*
21: /SID2/gcgdata/geneseq/geneseq/NA2000.DAT.*
22: /SID2/gcgdata/geneseq/geneseq/NA2001.DAT.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Query | Score | Match | Length | ID | Description |
|------------|--------|-------|-------|--------|---------|--------------------|
| 1 | 1359 | 100.0 | 2412 | 20 | 233949 | Human PRO382 nucle |
| 2 | 1359 | 100.0 | 2412 | 21 | C78475 | Human PRO382 (UNQ3 |
| 3 | 1326.4 | 97.6 | 2413 | 21 | A93842 | Tumour associated |
| 4 | 1185.4 | 87.2 | 2544 | 21 | A93843 | Tumour associated |
| 5 | 1086 | 79.9 | 1394 | 21 | D02323 | Human serine prote |
| 6 | 721 | 53.1 | 1697 | 21 | C77781 | Human cancer assoc |
| 7 | 225.6 | 16.6 | 1479 | 21 | Z87786 | Human tumour supp |
| 8 | 225 | 16.6 | 1738 | 21 | Z296336 | Human 20P12-GTC2 |
| 9 | 223.4 | 16.4 | 3245 | 21 | A08803 | Androgen-inducible |
| 10 | 220.2 | 16.2 | 2479 | 21 | Z90478 | Ovrl15 homolog pro |
| 11 | 220.2 | 16.2 | 2479 | 21 | Z87813 | Human tumour supp |

| | | | | | | |
|----|-------|------|------|----|--------|--------------------|
| 12 | 220.2 | 16.2 | 3966 | 21 | C83325 | Human TMPS2 DNA. |
| 13 | 215.6 | 15.9 | 3443 | 21 | Z95005 | Cancer specific ge |
| 14 | 213.2 | 15.7 | 1076 | 21 | A12975 | cDNA encoding huma |
| 15 | 134.4 | 14.3 | 2190 | 21 | A39073 | Human secreted pro |
| 16 | 191.2 | 14.1 | 2265 | 21 | A61663 | cDNA encoding huma |
| 17 | 178.8 | 13.2 | 1222 | 21 | D02322 | Human serine prote |
| 18 | 158 | 11.6 | 1685 | 21 | A61660 | cDNA encoding mous |
| 19 | 157.4 | 11.6 | 2038 | 20 | X87154 | Human protease HUP |
| 20 | 157.4 | 11.6 | 2063 | 21 | A37099 | Human PRO1570 (UNQ |
| 21 | 157.2 | 11.6 | 174 | 21 | A93844 | TADG-12 gene fragm |
| 22 | 157 | 11.6 | 2068 | 21 | A61661 | cDNA encoding mous |
| 23 | 157 | 11.6 | 2070 | 21 | A61662 | cDNA encoding mous |
| 24 | 156.6 | 11.5 | 717 | 21 | A61659 | Cancer specific ge |
| 25 | 149.8 | 11.0 | 2070 | 21 | Z90471 | Human serine prote |
| 26 | 144.8 | 10.7 | 699 | 18 | T79127 | Human colorectal c |
| 27 | 141.2 | 10.4 | 1281 | 21 | A97361 | TADG-12V (truncate |
| 28 | 137 | 10.1 | 328 | 21 | A93845 | Mouse hepsin full |
| 29 | 131.8 | 9.7 | 1605 | 20 | Z31883 | cDNA encoding mous |
| 30 | 131.8 | 9.7 | 1605 | 20 | X15134 | Gene comprising HG |
| 31 | 124.4 | 9.2 | 970 | 15 | O63945 | Hepatocyte growth |
| 32 | 124.4 | 9.2 | 2033 | 15 | O63951 | Pig lung protease |
| 33 | 119.6 | 8.8 | 828 | 21 | A07168 | Human cancer assoc |
| 34 | 118 | 8.7 | 2756 | 21 | C77957 | Human matricase (|
| 35 | 118 | 8.7 | 2955 | 21 | A88492 | Tumour antigen der |
| 36 | 118 | 8.7 | 3147 | 20 | X87815 | Human matricase c |
| 37 | 118 | 8.7 | 3149 | 21 | A88493 | Human peptidase, H |
| 38 | 118 | 8.7 | 3159 | 21 | A37657 | Human serine prote |
| 39 | 117.8 | 8.7 | 723 | 18 | T79128 | Human secreted pro |
| 40 | 117.8 | 8.7 | 1008 | 20 | X04381 | Human mast cell tr |
| 41 | 117.6 | 8.7 | 1128 | 19 | V44330 | Human mast cell tr |
| 42 | 117.6 | 8.7 | 1128 | 19 | V42712 | Human low adenosin |
| 43 | 117.6 | 8.7 | 1143 | 21 | F21077 | Human adenosine re |
| 44 | 117.6 | 8.7 | 1143 | 21 | A34955 | Human low adenosin |
| 45 | 117.6 | 8.7 | 1145 | 21 | F21078 | Human low adenosin |

ALIGNMENTS

RESULT 1

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| Z33949 | ID | Z33949 | standard; cDNA; 2412 BP. |
| XX | AC | Z33949; | |
| XX | DT | 07-DEC-1999 | (first entry) |
| XX | DE | Human PRO382 | nucleotide sequence. |
| XX | DE | Human; PRO; EST; | expressed sequence tag; PCR primer; hybridisation; |
| KW | KW | probe; blood coagulation disorder; cancer; cellular adhesion disorder; | |
| KW | KW | secreted protein; transmembrane protein; ss. | |
| XX | XX | Homo sapiens. | |
| OS | XX | WO9946281-A2. | |
| PN | XX | 16-SEP-1999. | |
| PD | XX | 08-MAR-1999; | 99WO-US05028. |
| PF | XX | 10-MAR-1998; | 98US-Q077450. |
| PR | PR | 11-MAR-1998; | 98US-Q077632. |
| PR | PR | 11-MAR-1998; | 98US-Q077641. |
| PR | PR | 11-MAR-1998; | 98US-Q077649. |
| PR | PR | 12-MAR-1998; | 98US-Q077791. |
| PR | PR | 13-MAR-1998; | 98US-Q078004. |
| PR | PR | 17-MAR-1998; | 98US-Q040220. |
| PR | PR | 20-MAR-1998; | 98US-Q078886. |
| PR | PR | 20-MAR-1998; | 98US-Q078910. |
| PR | PR | 20-MAR-1998; | 98US-Q078936. |
| PR | PR | 20-MAR-1998; | 98US-Q078939. |
| PR | PR | 23-MAR-1998; | 98US-Q079294. |

PR 26-MAR-1998; 98US-0079656.
PR 27-MAR-1998; 98US-0079663.
PR 27-MAR-1998; 98US-0079664.
PR 27-MAR-1998; 98US-0079689.
PR 27-MAR-1998; 98US-0079728.
PR 30-MAR-1998; 98US-0079786.
PR 30-MAR-1998; 98US-0079920.
PR 30-MAR-1998; 98US-0079923.
PR 31-MAR-1998; 98US-0080105.
PR 31-MAR-1998; 98US-0080107.
PR 31-MAR-1998; 98US-0080165.
PR 31-MAR-1998; 98US-0080194.
PR 01-APR-1998; 98US-0080327.
PR 01-APR-1998; 98US-0080328.
PR 01-APR-1998; 98US-0080333.
PR 01-APR-1998; 98US-0080334.
PR 08-APR-1998; 98US-0081049.
PR 08-APR-1998; 98US-0081070.
PR 08-APR-1998; 98US-0081071.
PR 09-APR-1998; 98US-0081195.
PR 09-APR-1998; 98US-0081203.
PR 09-APR-1998; 98US-0081229.
PR 15-APR-1998; 98US-0081817.
PR 15-APR-1998; 98US-0081838.
PR 15-APR-1998; 98US-0081932.
PR 15-APR-1998; 98US-0081935.
PR 21-APR-1998; 98US-0082568.
PR 21-APR-1998; 98US-0082569.
PR 22-APR-1998; 98US-0082700.
PR 22-APR-1998; 98US-0082704.
PR 22-APR-1998; 98US-0082804.
PR 23-APR-1998; 98US-0082767.
PR 23-APR-1998; 98US-0082796.
PR 27-APR-1998; 98US-0083336.
PR 28-APR-1998; 98US-0083322.
PR 29-APR-1998; 98US-0083392.
PR 29-APR-1998; 98US-0083435.
PR 29-APR-1998; 98US-0083496.
PR 29-APR-1998; 98US-0083499.
PR 29-APR-1998; 98US-0083500.
PR 29-APR-1998; 98US-0083545.
PR 29-APR-1998; 98US-0083554.
PR 29-APR-1998; 98US-0083558.
PR 29-APR-1998; 98US-0083559.
PR 30-APR-1998; 98US-0083742.
PR 05-MAY-1998; 98US-0084366.
PR 06-MAY-1998; 98US-0084414.
PR 06-MAY-1998; 98US-0084441.
PR 07-MAY-1998; 98US-0084598.
PR 07-MAY-1998; 98US-0084600.
PR 07-MAY-1998; 98US-0084627.
PR 07-MAY-1998; 98US-0084637.
PR 07-MAY-1998; 98US-0084639.
PR 07-MAY-1998; 98US-0084640.
PR 13-MAY-1998; 98US-0084643.
PR 13-MAY-1998; 98US-0085323.
PR 13-MAY-1998; 98US-0085338.
PR 13-MAY-1998; 98US-0085339.
PR 15-MAY-1998; 98US-0085573.
PR 15-MAY-1998; 98US-0085579.
PR 15-MAY-1998; 98US-0085580.
PR 15-MAY-1998; 98US-0085582.
PR 15-MAY-1998; 98US-0085689.
PR 15-MAY-1998; 98US-0085697.
PR 15-MAY-1998; 98US-0085700.
PR 15-MAY-1998; 98US-0086023.
PR 22-MAY-1998; 98US-0086392.
PR 22-MAY-1998; 98US-0086414.
PR 22-MAY-1998; 98US-0086430.
PR 22-MAY-1998; 98US-0086486.
PR 28-MAY-1998; 98US-0087098.
PR 28-MAY-1998; 98US-0087106.

PR 28-MAY-1998; 98US-0087208.
PR 30-JUL-1998; 98US-0094651.
PR 11-SEP-1998; 98US-0100038.
XX (GETH) GENENTECH INC.
XX Wood WI, Goddard A, Gurney A, Yuan J, Baker KP, Chen J;
XX WPI; 1999-551358/46.
XX P-PSDB; Y41694.
XX New secreted and transmembrane polypeptides and their polynucleotides,
XX useful for treating blood coagulation disorders, cancers and cellular
XX adhesion disorders
XX Claim 2; Fig 27; 530pp: English.
XX The present invention describes secreted and transmembrane polypeptides
XX and their polynucleotides. The nucleotide sequences are useful as
XX sources of probes, primers, for chromosome mapping, and for generation
XX of antisense sequences. They can also be used to create transgenic
XX animals. The proteins can be used to treat a variety of diseases and
XX disorders, depending on their function. Diseases that may be treated
XX include blood coagulation disorders, cancers and cellular adhesion
XX disorders. They may also be used to raise antibodies. 233891 to
XX 234338, and Y41685 to Y41774 represent polynucleotide and polypeptide
XX sequence given in the exemplification of the present invention.
SQ Sequence 2412 BP; 529 A; 648 C; 643 G; 592 T; 0 other;

Query Match 100.0%; Score 1359; DB 20; Length 2412;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1359; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 atgggggaaatgatcgctgctgtgttgaaagccccccttctcattccgagctcttttggc 60
Db 126 atgggggaaatgatcgctgctgtgttgaaagccccccttctcattccgagctcttttggc 185
Qy 61 ctgtgatattgaaataaagccctgtgtgacccagatgagatgctgtgtgtgacagatc 120
Db 186 ctgtgatattgaaataaagccctgtgtgacccagatgagatgctgtgtgtgacagatc 245
Qy 121 ctgtcactgtgccattgaaagtttttcccaatcatgctcattgggattgattgata 180
Db 246 ctgtcactgtgccattgaaagtttttcccaatcatgctcattgggattgattgata 305
Qy 181 ttgacctggccattgtctgtggccatccacttcgactgctcagggaagacagatgtcgc 240
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Qy 241 tcatcctttaagtattatagctagctagctagctagctagctagctagctagctagctagct 300
Db 366 tcatcctttaagtattatagctagctagctagctagctagctagctagctagctagctagct 425
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Qy 541 gtgactgattacaccactcagtagtatgtgaggaggaggtgtgtgtgtgtgtgtgtgtgtgtgt 600

